
ACTA DIABETOLOGICA LATINA

VOLUME XXVII-XXVIII

1990-1991

Bold typed numbers in brackets refer to issue n° 1, 1991.

SPECIAL ARTICLE

- C. RICORDI, D. W. R. GRAY, B. J. HERING, D. B. KAUFMAN, G. L. WARNOCK, N. M. KNETEMAN,
S. P. LAKE, N. J. M. LONDON, C. SOCCI, R. ALEJANDRO, Y. ZENG, D. W. SCHARP, G. VIVIANI, L.
FALQUI, A. TZAKIS, R. G. BRETELZEL, K. FEDERLIN, G. POZZA, R. F. L. JAMES, R. V. RAJOTTE, V.
DI CARLO, P. J. MORRIS, D. E. R. SUTHERLAND, T. E. STARZI, D. H. MINTZ, P. E. LACY: Islet
isolation assessment in man and large animals 185

ORIGINAL CONTRIBUTIONS

- K. KRÖNERT, K. HOLDER, G. KUSCHMIERZ, B. MAYER, W. RENN, D. LUFT, M. EGGSTEIN:
Influence of cardiovascular diseases upon the results of the cardiovascular reflex tests
in diabetic and nondiabetic subjects 1
- A. E. RAPTIS, N. TOUNTAS, A. G., YALOURIS, D. HADJIDAKIS, A. ZAHARIS, K. MIRAS, S. A. RAPTIS:
Comparative study of the therapeutic effects of glibenclamide or the fixed combination
of glibenclamide-phenformin with those of glipizide or chlorpropamide 11
- K. SZABO'-KÁLLAI, A. GYIMESI, J. IVÁNY: Role of emotional factors in diabetes 23
- G. B. AMBROSIO, M. VANIN, S. ZAMBONI, P. ZANCHI, P. SPANDRI, S. TASSO, L. DISSEGNA, M. G.
STEFANINI, D. FEDELE: Diabetes and coronary risk factors. Relative risk for single factors
and aggregation of more factors in a general population sample from Northern Italy 31
- A. AVOGARO, R. NOSADINI, D. M. BIER, C. COBELLINI, G. TOFFOLI, A. DORIA, A. VALERIO, H.
CHRISTOPHERSON: Ketone body kinetics *in vivo* using simultaneous administration of
acetoacetate and 3-hydroxybutyrate labelled with stable isotopes 41
- Y. SEINO, M. USAMI, Y. OKAMOTO, T. YAMAMOTO, M. IKEDA, T. TAMINATO, H. IMURA: Effect of
dietary environment on the development of impaired glucose tolerance and pancreatic
hormone secretion in neonatal streptozocin-treated (NSZ) rats 95

(cont'd.)

M. A. M. AJABNOOR, T. H. ZAWAII, K. M. H. MARZOUKI, Z. M. H. MARZOUKI: Level of serum fructosamine in Saudi diabetic patients	105
M. VERA, R. SUFFOS, M. CARRILES, R. GÜELL, N. PICASSO, M. C. ALVAREZ: A study of the respiratory function in insulin-dependent patients with and without limited joint mobility (LJM)	113
O. GIAMPIETRO, M. FERDEGHINI, R. MICCOLI, G. GREGORI, G. PENNO, S. BERTOLI, R. NAVALESI: Inappropriate growth-hormone (GH) response to thyrotropin-releasing hormone (TRH) occurs infrequently in well-regulated diabetes mellitus	119
L. LUZI, M. RIPAMONTI, C. MARCONI, E. CAZZOLA, A. MOSCA: Whole blood L-lactate assay by a new differential pH method: application to metabolic investigations	129
F. GREGORIO, F. AMBROSI, P. MARCHETTI, S. CRISTALLINI, R. NAVALESI, P. BRUNETTI, P. FILIPPONI: Low dose metformin in the treatment of type II non-insulin dependent diabetes: clinical and metabolic evaluations	139
G. MONTALTO, A. CARROCCIO, G. MARINO, M. SORESI, C. DI MARCO, A. NOTARBARTOLO: Comparison of BT-PABA test and fecal chymotrypsin measurements in normal subjects and diabetic patients	157
K. RATHEISER, W. REITGRUBER, M. KOMJATI, P. BRATUSCH-MARRAIN, H. VIERHAPPER, W. K. WALDHÄUSL: Quantitative and qualitative differences in basal and glucose- and arginine-stimulated insulin secretion in healthy subjects and different stages of NIDDM	197
A. GODAY, E. MOTAÑA, G. ERCILLA, J. FERNANDEZ, R. GOMIS, E. VILARDELL: HLA antigens in Spanish type 1 diabetic population. Correlations with clinical, biological and autoimmune markers	215
C. MAFFEIS, S. CIAFFONI, E. GONFIATINI, C. ROATA, L. PINELLI: HLA gene and phenotype data of 60 insulin-dependent diabetic patients from North-Eastern Italy. A negative association with DR5 rather than DR2?	223
A. LOMBARDO, G. OLIVA, G. SCORNACCA, R. CACCIOLA, M. MOTTA, I. COPPOLINO, G. RECEPUTO: Diabetes in the elderly: remarks from an epidemiological study carried out in a town in South-Eastern Sicily (Militello V.C.)	231
S. GENTILE, A. BIZZARRO, R. MARMO, A. DE BELLIS, C. ORLANDO: Medial arterial calcification and diabetic neuropathy	243
A. BROGNA, F. CATALANO, A. MANGIAMELI, S. MONELLO, R. FERRARA, A. M. BUCCERI, A. MARLETTA: Comparison between gastric emptying of digestible and indigestible solids in diabetic patients	255
R. GOMIS, C. TOMAS, A. NOVIALS, W. J. MALAISSE: 3-O-methyl-D-glucose uptake by erythrocytes of normal and diabetic subjects	279
N. SEKAR, A. KANTHASAMY, S. WILLIAM, N. BALASUBRAMANIYAN, S. GOVINDASAMY: Antioxidant effect of vanadate on experimental diabetic rats	285
G. JERMENDY, M. Z. KOLTAI, G. POGÁTSÁ: QT interval prolongation in type 2 (non-insulin-dependent) diabetic patients with cardiac autonomic neuropathy	295
G. SEGHERI, A. GIRONI, M. NICCOLAI, P. MAMMINI, L. ALVIGGI, L. A. DE GIORGIO, P. CASELLI, G. BARTOLOMEI: Serum spermidine oxidase activity in patients with insulin-dependent diabetes mellitus and microcircular complications	303
E. BONORA, P. MOGHELLI, V. CACCIATORI, M. ZENERE, F. TOSI, D. TRAVIA, G. ZOPPINI, L. PEROBELLI, M. MUGGEO: Plasma concentrations of glucagon during hyperglycemic clamp with or without somatostatin infusion in obese subjects	309
A. RENAUD, R. C. SVERDLIK, A. AGÜERO, R. L. PÉREZ: Influence of estrogen-progesterone sequential administration on pancreas cytology, serum insulin and metabolic adjustments in female dogs	315

S. M. MARTÍNEZ, M. C. TARRÉS, S. MONTENEGRO, G. REVELANT, N. FIGUEROA, D. ALONSO, O. M. O. LAUDANNO, A. D'OTTAVIO: Intermittent dietary restriction in eSS diabetic rats. Effect on metabolic control and skin morphology	329
S. B. LALL, S. KUNCHAPARTY, H. H. SIDDIQUI, J. S. BAJAJ: Plasma renin activity and urinary kallikrein excretion in response to intravenous furosemide in diabetic patients	337
M. CERIZZA, G. MINCIOTTI, S. MEREGALLI, V. GAROSI, P. F. CROSTI, L. FRATTOLA: Central nervous system involvement in elderly patients with non-insulin-dependent diabetes mellitus	343
L. CRUSCHELLI, A. CLERICI, G. PENNO, R. NAVALESI, O. GIAMPIETRO: Colorimetric versus radioimmunological measurement of glycated and non-glycated serum albumin after affinity chromatography	349
M. GAVELLA, V. LIPOVAC, S. CRNEK: Total and ganglioside-bound sialic acid content of lymphocytes from non-insulin-dependent diabetic patients	357
G. SANTACROCE, G. FORLANI, S. GIANGIULIO, V. GALUPPI, M. PAGANI, P. VANNINI: Long-term effects of eating sucrose on metabolic control of type 1 (insulin-dependent) diabetic outpatients	365
C. M. BARBAGALLO, M. R. AVERNA, S. AMATO, G. MARINO, M. LABISI, A. CAMEMI RAO, M. BARBAGALLO, G. F. CUPIDI, A. NOTARBARTOLO: Apolipoprotein profile in type II diabetic patients with and without coronary heart disease	371
H. VORUM, C. K. CHRISTENSEN, A. O. PEDERSEN, R. BRODERSEN: Fatty acid binding to serum albumin in Type I insulin-dependent diabetes mellitus	(1)
B. JAMNICKY, M. SLJEPČEVIĆ, M. HADŽIJA, D. JURETIĆ, O. BORČIĆ: Tryptophan content in serum and brain of long-term insulin-treated diabetic rats	(11)
F. AHMAD, B. KUNDU, M. M. KHAN, A. K. RASTOGI, K. B. MATHUR, J. R. KIDWAI: Selective stimulation of insulin secretion by CCK-4 analogues having N-terminal modifications	(19)
J. O. AKPAN, R. L. GINGERICH: Association of hyperglycemia with dietary cyanogen and socio-economic level. The study of rural communities in South-East Nigeria	(29)
G. PAGANO, A. CHIAMBRETTI, V. CALEFATO, M. TOMALINO, G. CECCHINI, A. BRUNO, P. CAVALLO- PERIN: Urinary excretion of glycated albumin in insulin-dependent diabetic patients with normal urinary albumin excretion	(39)
F. CAPANI, G. CASALINI, A. CONSOLI, A. D'EMILIO, G. LA NAVE, M. LORAGNO, E. VITACOLONNA, G. ZAPPONE: Insulin requirement of simple and complex carbohydrate foods in type I (insulin-dependent) CSII-treated diabetic subjects, obtained by Biostator. Correlation with glycaemic index	(47)
I. PADMALAYAM, S. JOHN, V. MOHAN, A. RAMACHANDRAN, M. VISWANATHAN: Anthropometric studies in diabetes in the Tropics	(55)
N. AL-MUHTASEB, A. R. AL-YUOSUF, J. S. BAJAJ: Plasma lipoproteins and apolipoproteins in insulin-dependent and young non-insulin-dependent Arab women	(61)
F. AHMAD, M. M. KHAN, A. K. RASTOGI, J. R. KIDWAI: Insulin and glucagon releasing activity of coleonol (forskolin) and its effect on blood glucose level in normal and alloxan diabetic rats	(71)
M. ERMINI, E. IACONIS, A. MORI: The effects of bilio-jejunal diversion on streptozotocin diabetes in the rat	(79)
A.-M. BORISOVA, D. G. KOEV, M. G. MINEV, F. G. MARTINOV, P. I. GENCובה, G. G. KIRILOV, J. ARNAUDOV: Factors for development of secondary failure to sulfonylurea drugs in non- insulin-dependent diabetes mellitus	(91)
A. VERROTTI, F. CHIARELLI, S. TUMINI, G. MORGESSE: Serum lipids, microalbuminuria and metabolic control in diabetic children	(99)

PRELIMINARY COMMUNICATIONS

- J. CATALA, P. HADJISKY, R. BONNAFOUS, F. FICHAUX: Cell features in pancreas of prediabetic and diabetic rabbits after Wirsung duct ligation. Histochemical and histoenzymatic studies 59
- M. CARRA', P. BRAMBILLA, F. MESCHI, L. MISTURA, E. BOGNETTI, A. MALESCI, C. BONATO, P. BOCCIA, G. CHIUMELLO: Pancreatic polypeptide secretion after insulin infusion and protein meal in juvenile type I diabetic subjects 165

HYPOTHESIS

- F. BELFIORE, S. IANNELLO: A formula for quantifying the effects of substrate cycles (futile cycles) on metabolic regulation. Its application to glucose futile cycles in liver as studied by glucose-6-phosphatase/glucokinase determinations 71

SHORT COMMUNICATIONS

- L. MORRICONE, M. MURARI, M. BOMBONATO, F. CAVIEZEL: Effect of acute administration of metoclopramide on insulin secretion in man 53
- A. CARROCCIO, L. IAPICHINO, G. MONTALTO, F. PARDO, G. IA CONO, M. SORESI, M. COLLURA, A. NOTARBARTOLO: Prevalence of diabetes mellitus and impaired glucose tolerance in cystic fibrosis 379

REVIEWS

- G. A. BRAY: Obesity and diabetes 81
- B. FELDT-RASMUSSEN, K. NØRGAARD, T. JENSEN, E. MATHIESEN, T. DECKERT: The role of hypertension in the development of nephropathy in type I (insulin-dependent) diabetes mellitus 173
- G. C. VIBERTI: Mechanisms of diabetic renal and cardiovascular disease 267
- M. J. STEVENS, P. J. WATKINS: Diabetic autonomic neuropathy (105)

CASE REPORT

- P. G. BAlestrieri, S. SPANDRI, G. ROMANELLI, G. GIUSTINA: Diabetes mellitus as presenting feature in extra-adrenal pheochromocytoma: report of a case 261

LETTERS TO THE EDITOR

- A. M. VICARI, R. CHIESA, G. MARI, M. GALIMBERTI, V. DI CARLO, G. POZZA: Iloprost and peripheral arterial disease in diabetic patients (113)
- R. RICCIOTTI, M. BOEMI, F. ROMAGNOLI, L. AMADIO, I. TESTA, P. FUMELLI: Determination of serum fructosamine from capillary blood samples (115)

BOOK REVIEWS

- ENGELHARDT D. V. (Ed.): *Diabetes. Its medical and cultural history* 89
- MOLINATTI G. M., BAR R. S., BELFIORE F., PORTA M. (Eds): *Endothelial cell function in diabetic microangiopathy: problems in methodology and clinical aspects* 89

SUTHERLAND H. W., STOWERS J. M., PEARSON D. W. M. (Eds): Carbohydrate metabolism in pregnancy and the newborn	90
GINSBERG-FELLNER F., McEVoy R. C. (Eds): Autoimmunity and the pathogenesis of diabetes	277
HAUSS W. H., WISSLER R. W., BAUCH H. J. (Eds): Modern aspects of the pathogenesis of arteriosclerosis	277
PORTA M.: Manuale del diabetico	277
BAILEY C. J., FLATT P. R. (Eds): New antidiabetic drugs	383
ENZI G.: Obesità	383

REPORTS FROM MEETINGS

- Diabetes Mellitus in Europe: a Problem at all Ages in all Countries. A model for Prevention and Self Care	181
-----------------------------------------------------------------------------------------------------------------------	-----

NEWS

- 2nd International Symposium on 'Molecular Genetics of Diabetes Mellitus'	91
- Diabetes and Exercise '90	91
- 50th Annual Meeting of the American Diabetes Association	91
- 6th Meeting of the International Study Group on Diabetes Treatment with Implantable Insulin Delivery Devices	91
- The Nervous System and Fuel Homeostasis	92
- IV International Symposium on Insulin Receptor and Insulin Action	92
- 46th Course on Radioisotope Technique	92
- VIDEODIAB '90	93
- 3rd International Workshop Conference on Gestational Diabetes Mellitus	278
- Fifth Milano International Meeting on Diabetes	278
- International Congress on Fructose and Fructose Containing Foods	278
- 25th Annual Scientific Meeting of the European Society for Clinical Investigation	278
- 14th International Diabetes Federation Congress	278
- Satellite Symposium on 'Controversies in Etiology & Treatment of Diabetic Neuropathy'	278
- Third International Course of the International Study Group on Diabetes of Children and Adolescents on "Update in Childhood"	384
- VIII Congresso Nazionale dell'Associazione Medici Diabetologi	384
- National Course on Pediatric Diabetology	384
- Third International Congress on Pancreatic and Islet Transplantation and Symposium on Artificial Insulin Delivery Systems	384
- 14th International Diabetes Federation Congress	384

INDEX 1990-1991

AUTHOR INDEX	(121)
SUBJECT INDEX	(127)



